AMENDMENTS TO THE SPECIFICATION

Please amend the specification as follows:

Amend the Abstract as follows:

~~On a medium surface of a printed material etc., a~~ A plurality of lattice dots are disposed in a

rectangular shape and set as a block, and they are regularly and continuously disposed, and ~~such~~

a dot that <u>forms one</u> ~~1 piece~~ of the lattice dots which exists in the block ~~was~~ <u>is</u> disposed by being

shifted unidirectionally <u>and</u> is set as a key dot, and by setting said key dot as a representative

point, a plurality of information dots are disposed, and by setting a center which was surrounded

by the lattice dots of [[4]] <u>four</u> points as a hypothetical point, and by setting this as a start point

<u>of a vector</u>, at an end point <u>of</u> which ~~was represented by a vector~~, a plurality of information dots

which have various information ~~recognized~~ are arranged in accordance with a predetermined rule

by a dot code generation algorithm to thereby generate a dot pattern.